

Approved For Release 2002/08/21 : CIA-RDP89B00980R000200170034-8  
LOCKHEED AIRCRAFT CORPORATION

ENGINEERING STUDY  
CHANGE PROPOSAL

183  
MD/FILE M

DATE 4-8-64

AFFECTS :

WSPO ☐

PROJECT ☒

NAME OF MAJOR COMPONENT

PART OR LOWEST SUBASSEMBLY

PART NO. & MODEL OR TYPE

TITLE OF PROPOSAL :

Aerodynamic Evaluation of System XVII Antennas.

NATURE OF PROPOSAL :

See Page 2

REASON FOR PROPOSAL :

To determine the affect of the Systems XVII Antenna installation on Aircraft performance and Aerodynamic characteristics.

ES

ESTIMATED COST AND TIME INVOLVED :

ADDITIONAL FUNDING REQUIRED :

CP

ESTIMATED COST FOR KITS OR PARTS : See Page 2

ADDITIONAL FUNDING REQUIRED : Yes, SP-1923

25X1

ITEMS AFFECTED BY PROPOSAL :

SAFETY	MISSION EFFECT- TIVENESS	PERFORM- ANCE	OPERATING PROCEDURE	INTER- CHANGE ABILITY	WEIGHT OR WEIGHT & BALANCE	TOOLS & SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

EST. MAN/HRS. REQ'D. TO ACCOMPLISH CHANGE IN FIELD

SOURCE OF PARTS FOR KIT

LAC

AVAILABILITY 12 WEEKS AFTER APPROVAL

DISPOSITION OF SPARES AFFECTED

None

APPROVED 137

20 APR 64

STAT

INITIATED BY :

APPROVED : WSPO

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## NATURE OF PROPOSAL:

1. Fabricate and install three pairs of System XVII antenna for one Aircraft as follows:
  - a. One pair, sleeve dipole  extending on either side of the fuselage approximately 4 ft. at Station 575. 25X1
  - b. One pair, log periodic dipole  extending from antennas installed in "a" above approximately 1.5 ft. 25X1
  - c. One pair, log periodic dipole  near the upper portion of vertical fin, extending approximately 9 ft. 25X1
2. Structural modification to the aircraft will be required as follows:
  - a. Structure between fuselage stations 572 and 579 will be reinforced for the machined mounts required.
  - b. The fin antenna will require the fin to be structurally strengthened between fin station U3 and U9 for installation of the mounts to which the antenna will be attached.
3. A minimum of 6 flights will be required to determine Aerodynamic affect.

NOTE: Functional testing of the antennas is not a part of this quote.

Estimated Cost for Kits or Parts (GP-1023)

1. Fabricate, Assemble and Install
2. Design and Liaison
3. Flight Test at IAC

25X1

ScheduleWks

- |                           |   |
|---------------------------|---|
| 1. Fabricate and Assemble | 7 |
| 2. Ship Installation      | 2 |
| 3. Flight Test            | 2 |
| 4. Remove Installation    | 1 |

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- NOTE: 1. This does not include installation of System XVII Package or electrical interference surveys. This WCP is for Aerodynamic evaluation only.
2. A portion of the above work was accomplished in FY '63 per ICP-130 System X antenna installation.